

国 产 蛇 菰 属 新 资 料

谭沛祥 方 鼎

NEW MATERIALS OF CHINESE BALANOPHORA

Tam Pui-cheung Fang Ding

乳丽蛇菰 新种 图1

Balanophora splendida Tam et D. Fang, sp. nov.

(Subgen. *Balanophora*, Sect. *Polyplethia* (Griff.) B. Hansen)

Species jucunda antheris 7, ipsis hippocrepiformibus 4, ceterum paralleliformibus ab omnibus congeneris distincta.

Planta carnosa, parasitica, usque 8cm alta, rhizomata tuberosa, lobata, plerumque obconica, facie scabra, lenticellis stellatis densis seriatis et verruculis grandularibus aggregata, volvis apicalibus lobatis, lobis 4—5, late triangulatis, circa 4cm longis, 3cm latis raro obsoletis. Scapi 4—4.5cm longi, squamibracteis 7—8 alternatis, imbricatis, tenuiter carnosius, navicularibus vel cucullatis, perconcavis, 2—2.3cm longis, 1.6cm latis, apice brevi-acutis vel subrotundatis, basi abrupte anguste decurrentibus et amplexantibus. Inflorescentiae masculinae ovatae vel ovato-ellipticae, 2.5—3cm altae, 2cm diam. Flores

谭沛祥: 广东、广州, 中国科学院, 华南植物研究所 (South China Institute of Botany, Academia Sinica, Guangzhou, Guangdong)

方鼎: 广西、南宁, 广西中医药研究所 (Institute of Chinese Medicines of Guangxi, Nanning, Guangxi)

diocii, masculini ad antheses obiconici, 4mm diam. sub anthesi sphaerici, 8mm diam., pedicelli conspicui, initio breves et crassius, 3mm longi, 1.5mm diam. sub maturitatem ad 7mm longi, 0.5mm diam., lobis perianthii inaequalibus, oblongis vel lanceolatis, raro subovatis, circa 4mm longis 1.5—3mm latis, initio apertis, maturitate revolutis, apice acutis, mucro incurvo, stamina in androecia elongato-ovata aggregata, 3.5—3.7mm longa, 2mm diam., androphoro circa 1.2mm longo, 1mm diam. praedita, antheris 7, longitudinaliter dehiscentibus, pallide flavis ipsorum

4 hippocrepiformibus, 3 paralleliter ineariformibus alternato-intermixtis. Flores feminei ignoti

Guangxi (广西): Napo Xian (那坡县), in forest of mountains, alt. 750—850m 10 Dec. 1958, C. C. Chang (张肇霖) 14112, same local, in dense forest, alt. 1300m, 2 Dec. 1958, C. C. Chang 12372 (Typus, conserv. in Herb. South China Inst. Bot.)

寄生草本, 高8厘米; 根茎块茎状, 通常倒圆锥形, 分枝, 表面密被颗粒状疣瘤和成团或成行的星芒状皮孔, 顶端裂稍。4—5裂, 裂片阔三角形, 很少不明显。花茎长4—4.5厘米; 鳞苞片7—8枚, 互生, 舟状或兜状, 长2—2.3厘米, 宽1.6厘米。花雌雄异株(序); 雄花序卵形或卵状椭圆形, 长2.5—3厘米, 直径2厘米; 雄花有短花梗, 花被裂片4, 长圆形或披针形, 少有近卵形, 长约4毫米; 聚药雄蕊呈略延伸的卵球形, 长3.5—3.7毫米, 有柄; 花药7枚, 其中4枚呈马蹄形, 其余3枚呈平行线状, 二者相互间生, 药室14, 纵裂与斜裂并存雌花未见。



图1 彩丽蛇菰 *Balanophora splendida* Tam et D. Fang; 1. 植株 (根茎、雄花序); 2. 雄花; 3—4雄蕊群。(2—4均放大)。(黄少容绘)

本种的花药形态观察, 承俞诚鸿教授大力协助, 谨致谢意。

皱球蛇菰 新种 图2

Balanophora rugosa Tam, sp. nov.

(Sect) *Polyplethia* (Griff.) B. Hansen)

Species habitu proxime affinis *B. laxiflorae* Hemsl. a qua planta gracili, rhizomate depresso sphaerico, cerebri-rugoso in facie dense triangulari-squamosa lobulata et sparce minute stellata, inflorescentia masculina cylindrica.

Herba, carnosa, parasitica, 10—20cm alta, rhizomate luteo-brunnea depresso-sphaerica, circa 2cm diam., cerebri-rugosa in facie dense triangulato-squamosa lobulata et sparce minute stellato-lenticellata. Inflorescentiae masculinae spicatae 6.5cm longae femineae cylindricae vel elliptico-oblongae, 3.5—4.5cm longae, 5—7mm diam. Scapis 4—12cm longis, volvis emmittentibus, squami-bracteis 4—6, oblongo-lanceolatis, membranaceis, 1.2—1.5cm longis, supra medium spiralibus instructis, flores dioecii, masculini, laxi et rubri, prianthiis circa 7.5mm in diam., 6-lobatis, lobis, variis, loratis, lato-triangulatis vel elongato-ellipticis, 2—3mm longis; androecio subdiscoideo, 5—

7mm diam., antheris brevi-fissis, loculis 14, luteis vel flavo-albis, (flores) feminei, ovario saepe ovoideo, 6mm longo, luteo, brevistipitato, stylo circa 1mm longo, appendiculis turbinatis vel clavatis, brunneis, circa 8mm longis.

Sichuan (四川): Shizhu Xian (石柱县), alt. 1480m 26 Feb. 1978, W. H. Wang (王文华) 3367 (Typus, conserv. in Herb. Inst. Biol. Sichuan). Guizhou (贵州): Guanling Xian (关岭县), in shady and dense forest, 30 Nov. 1935, S. W. Teng (邓世纬) 1688. Guangxi (广西): Beiliu Xian (北流县), Daiyung Shan (大容山),



图2 皱球蛇菰 *Balanophora rugosa* Tam
1. 雄株; 2. 雌株; 3. 雄花蕾;
4. 雄花; 5. 一群雌蕊和附属体。
(黄少容绘)

in damp woods, 17 Dec. 1958, K.T. Cheng (曾广投) 6685.

寄生草本，高10—20厘米；根茎扁球形，直径约2厘米，表面近脑状皱褶，有密集三角形鳞片状裂片并有稀疏星芒状小皮孔。花茎长4—12厘米；鳞苞片4—6枚，长圆状披针形，长1.2—1.5厘米，旋生至花茎的中部以上。花雌雄异株（序）；雄花序穗状，长6.5厘米；雄花稀疏，直径3—3.5毫米；花被6裂，裂片带状、阔三角形或略长的椭圆形，长2—3毫米；聚药雄蕊近圆盘状，花药短裂，药室14；雌花序圆柱状，长3.5—4.5厘米；雌花：子房通常卵球形，长6毫米，花柱长约1毫米；附属体陀螺状或棍棒状，长约8毫米。

旋生蛇菰 新变种

Balanophora harlandii Hook. f. var. *spiralis* Tam, var. nov.

Squamo-bracteae laxae alternato-spirales non caespitosae in involucri.

Guangdong (广东): Lian Xian (连县), Shanjiang (三江), leaves slightly yellow, 22 Nov. 1930, S. P. Ko (高锡朋) 50973 (Typus, conserv. in Herb. Nat. Mus. Shanghai)

鳞苞片稀疏，螺旋状互生于花茎上，非簇生于花茎基部呈总苞状。